

LIST OF PRIOR ART CITED BY
APPLICANT

(PTO-1449)

ATTY. DOCKET NO.
UIOWA-0050APPLN. SERIAL NO.
10/662,873APPLICANT(S)
Johna LEDDY and Pengcheng ZOU

CUSTOMER NO. 34610

FILING DATE
September 16, 2003GROUP
1773

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE
RE	6,355,166 B1	03/12/02	AMARASINGHE et al.	210	223	10/29/99
RE	6,106,963	08/22/00	NITTA et al.	429	19	05/05/98
RE	6,479,176 B2	11/12/02	LEDDY et al.	429	10	06/29/01
RE	5,871,625	02/16/99	LEDDY et al.	204	290 R	06/06/96
RE	6,322,676 B1	11/27/01	LEDDY et al.	204	296	03/25/98
RE	6,303,242 B1	10/16/01	LEDDY et al.	429	10	12/10/99
RE	5,817,221	10/06/98	LEDDY et al.	204	290 R	02/05/96
RE	5,786,040	07/28/98	LEDDY et al.	427	598	04/01/96
RE	3,811,952	05/21/74	SIWERSSON et al.	136	86 A	06/20/73
RE	3,853,628	12/10/74	FOX	136	86 D	07/26/73
RE	4,037,022	07/19/77	CHERON	429	10	05/06/76
RE	4,201,827	05/06/80	HEITKAMP	428	283	11/23/77
RE	3,409,471	11/05/68	F.V. STURM et al.			06/18/64
RE	5,869,200	02/09/99	NUNNALLY	429	10	08/12/97

U.S. PATENT APPLICATION PUBLICATIONS

	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLASS	

U.S. PATENT APPLICATIONS

	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS	

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
RE	WO01/99127A2	12/27/01	WIPO				
RE	JP 11323654	11/26/99	Japan (Full Japanese Text)			Abst	
RE	JP 2000030743	01/28/00	Japan (Full Japanese Text)			Abst	
RE	JP 2001252553	09/18/01	Japan (Full Japanese Text)			Abst	
RE	JP 2001155746	06/08/01	Japan (Full Japanese Text)			Abst	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)

RE	Lois Anne Zook, "Morphological Modification of Nafion for Improved Electrochemical Flux," Thesis, December 1996, pp. J-134.
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EXAMINER

DATE CONSIDERED

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EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation Yes No	
<i>AK</i>	JP 10106581	04/24/98	Japan (Full Japanese Text)			Abst	
<i>AK</i>	EP 0980105	021600	EPO				
OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)							
<i>AK</i>	Nicholas J. Turro et al., "Magnetic Field and Magnetic Isotope Effects in Organic Photochemical Reactions. A Novel Probe of Reaction Mechanisms and a Method for Enrichment of Magnetic Isotopes," Acc. Chem. Res., 1980, Vol. 13, pp. 369-377.						
<i>AK</i>	W.B. Gu et al., "Modeling discharge and charge characteristics of nickel-metal hydride batters," Electrochimica Acta 44, 1999, pp. 4525-4541.						
<i>AK</i>	A.L. Buchachenko, "Magnetic Effects in Chemical Reactions," Russian Chemical Reviews, May 1976, Vol. 45(5), pp. 375-390.						
	Wayne L. Gellett et al., "Facilitation of CO Oxidation on Pt-Impact of Magnetic Fields," The Electrochemical Society, Inc., Abs. 1430, 204 th Meeting. (presented October 21, 2002)						
<i>AK</i>	Johna Leddy et al., "Magnetic Ion Exchange Polymer Composites: Transport Enhancements Driven by Non-Uniform Magnetic Fields and Magnetic Moments of Transported Molecular and Ionic Species," 37 th Power Sources Proceedings, 1996, pp. 93-95.						
<i>AK</i>	Alexander H. Tullo, "Maintaining A Charge," C&EN Northeast News Bureau, July 15, 2002, pp. 25-26.						
<i>AK</i>	Lester B. Lave et al., "Environmental Implications of Electric Cars," Science, Vol. 268, May 19, 1995, pp. 993-995.						
<i>AK</i>	Robert F. Nelson, "Power requirements for batteries in hybrid electric vehicles," Journal of Power Sources, 2000, Vol. 91, pp. 2-26.						
EXAMINER <i>Log Hafa</i>				DATE CONSIDERED <i>10/29/04</i>			

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U.S. PATENT APPLICATION PUBLICATIONS							
	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APPLICANT	CLASS	SUBCLAS S		
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<i>RR</i>	D.A.J. Rand, "Battery Systems for Electric Vehicles - A State-of-the-Art Review," Journal of Power Sources, 1979, Vol. 4, pp. 101-143.						
<i>RR</i>	Hongge Pan et al., "Effect of magnetization treatment on the electrochemical properties of $\text{La}_{0.9}\text{Sm}_{0.1}\text{Ni}_{2.0}\text{Co}_{3.0}$ electrode alloy," Journal of Alloys and Compounds, 2001, Vol. 327, pp. 136-140.						
<i>RR</i>	Johna Leddy et al., "Magnetically Modified Fuel Cells," 39 th Power Source Proceedings, 2000, pp. 144-147.						
<i>RR</i>	Jianxin Ma et al., "New method to improve the electrochemical properties of hydrogen storage electrode alloy," SciFinder Scholar, Jinshu Xuebao, 2001, 37(1), pp. 57-60 (Abstract only).						
<i>RR</i>	V.I. Markarov et al., "Magnetic properties of powders, and their electrochemical activity," SciFinder Scholar, Tr. Novocherkassk. Politekh. Inst., 1970, 208, pp. 100-103 (Abstract only).						
<i>RR</i>	Masahiro Yamaguchi et al., "Effect of a magnetic field on the emf. of a Ni-MH secondary battery," Tohoku Daigaku Kinzoku Zairyo Kenkyusho Kyojiba Chodendo Zairyo Kenkyu Senta Nenji Hokoku, 1992, 329-333 (Abstract only).						
<i>RR</i>	Kanya Yamazaki et al., "Secondary nonaqueous electrolyte batteries containing magnetic additives," JP10106577, April 24, 1998 (Abstract only).						
EXAMINER	<i>Loq</i>			DATE CONSIDERED <i>10/29/04</i>			

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